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(54) **WATER DISPENSER WITH BAG IN A BOX UNIT**

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B67D 1/08	(2006.01)
B67D 1/12	(2006.01)
B67D 3/00	(2006.01)

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(58) **Field of Classification Search**

CPC B67D 1/0004; B67D 3/0009
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See application file for complete search history.

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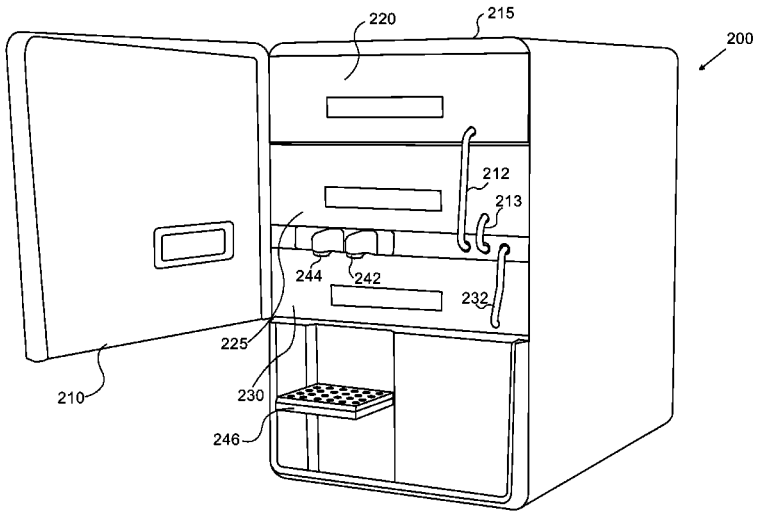
(57) **ABSTRACT**

The subject matter discloses an apparatus, comprising a housing; a mineral water container positioned within the housing and formed as a bag and box package unit; a chilled water faucet and a hot water faucet configured to dispense chilled mineral water and hot mineral water from the apparatus. In some cases, the apparatus further comprises a cold water tank for receiving water at room temperature from the mineral water container and supply cold water to the cold water faucet and a hot water tank for receiving water at room temperature from the mineral water container and supply hot water to the hot water faucet. The apparatus may comprise a pump for pumping water from the mineral water container to the cold water tank and the hot water tank.

15 Claims, 6 Drawing Sheets



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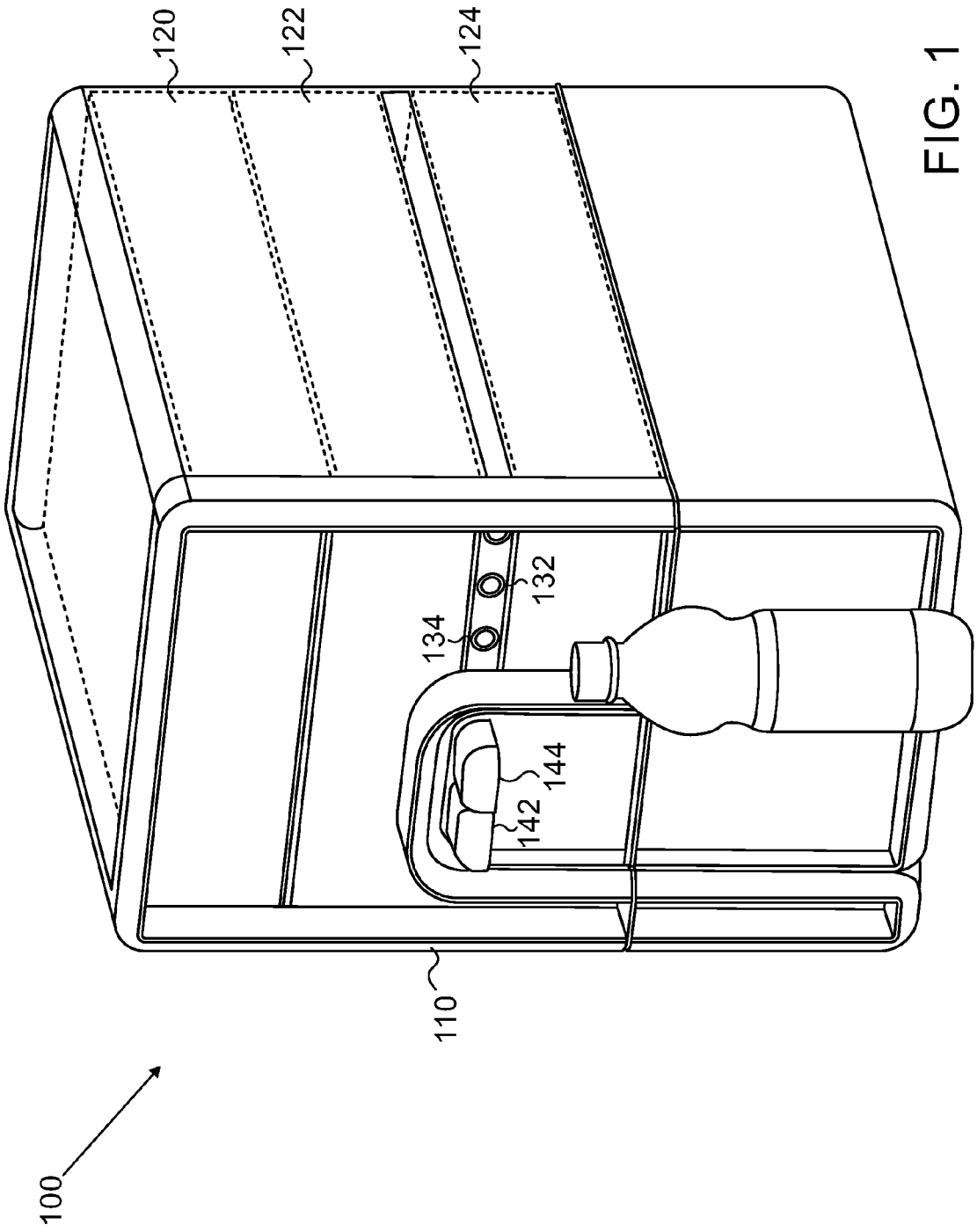

FIG. 1

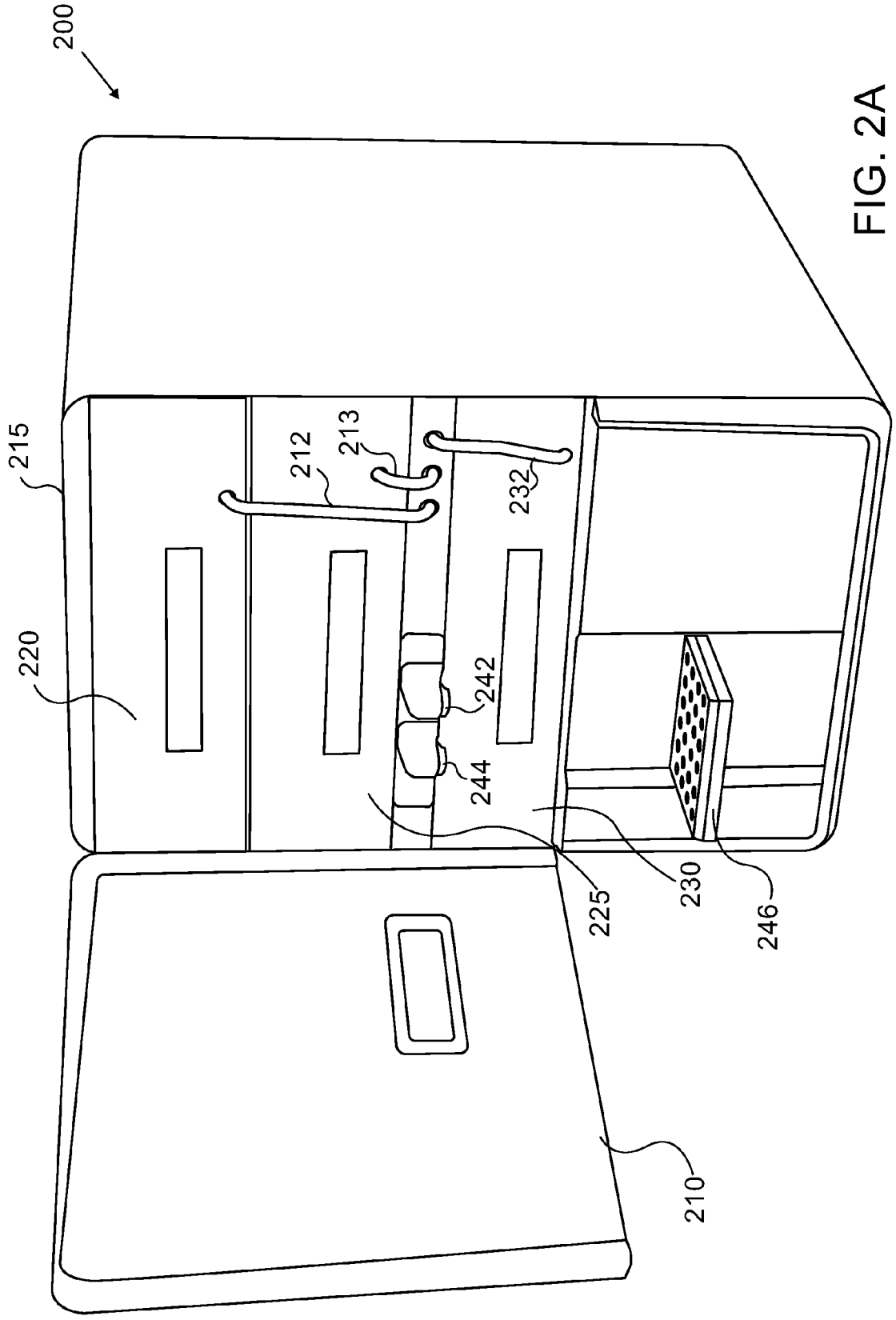

FIG. 2A

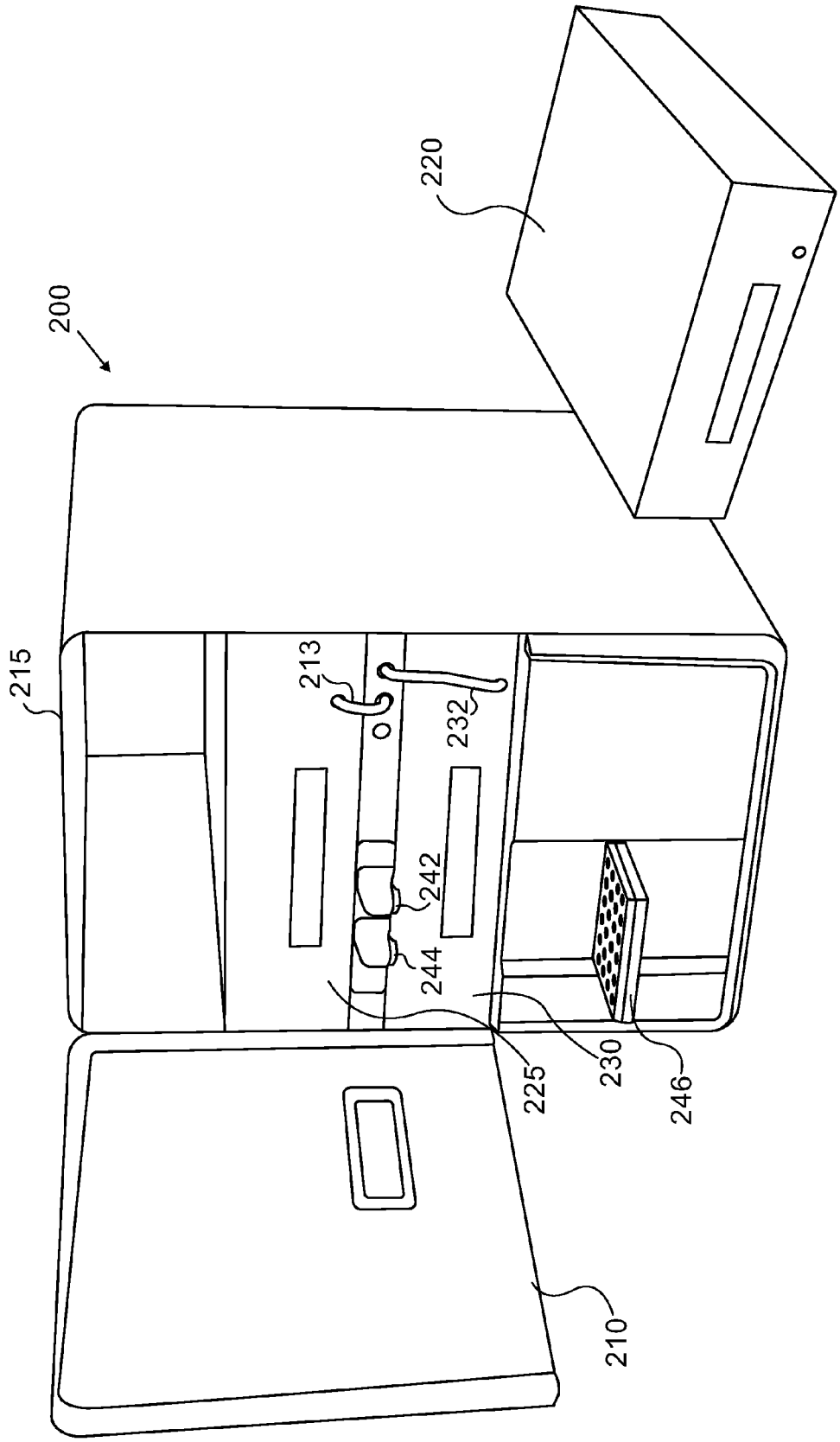

FIG. 2B

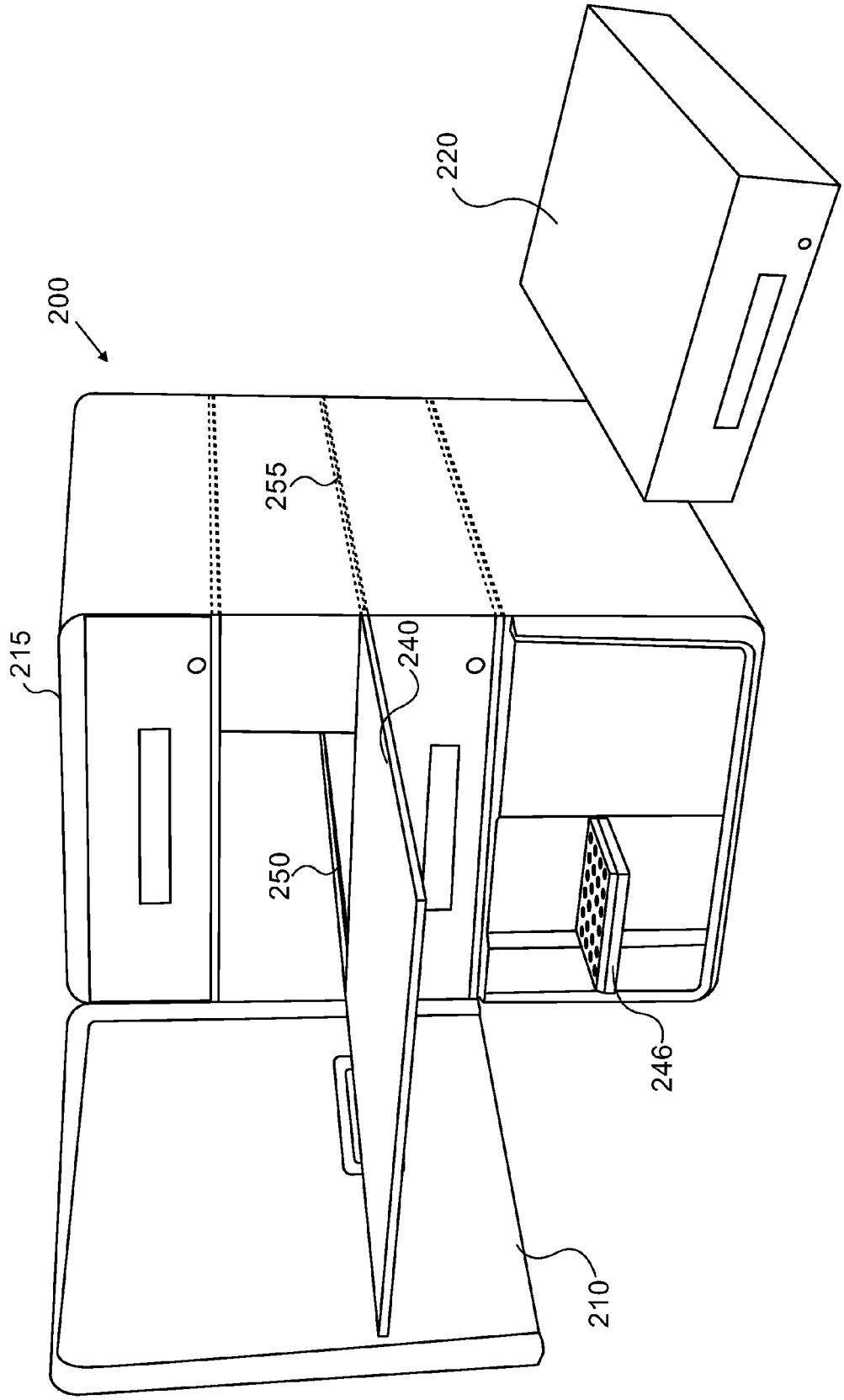

FIG. 3

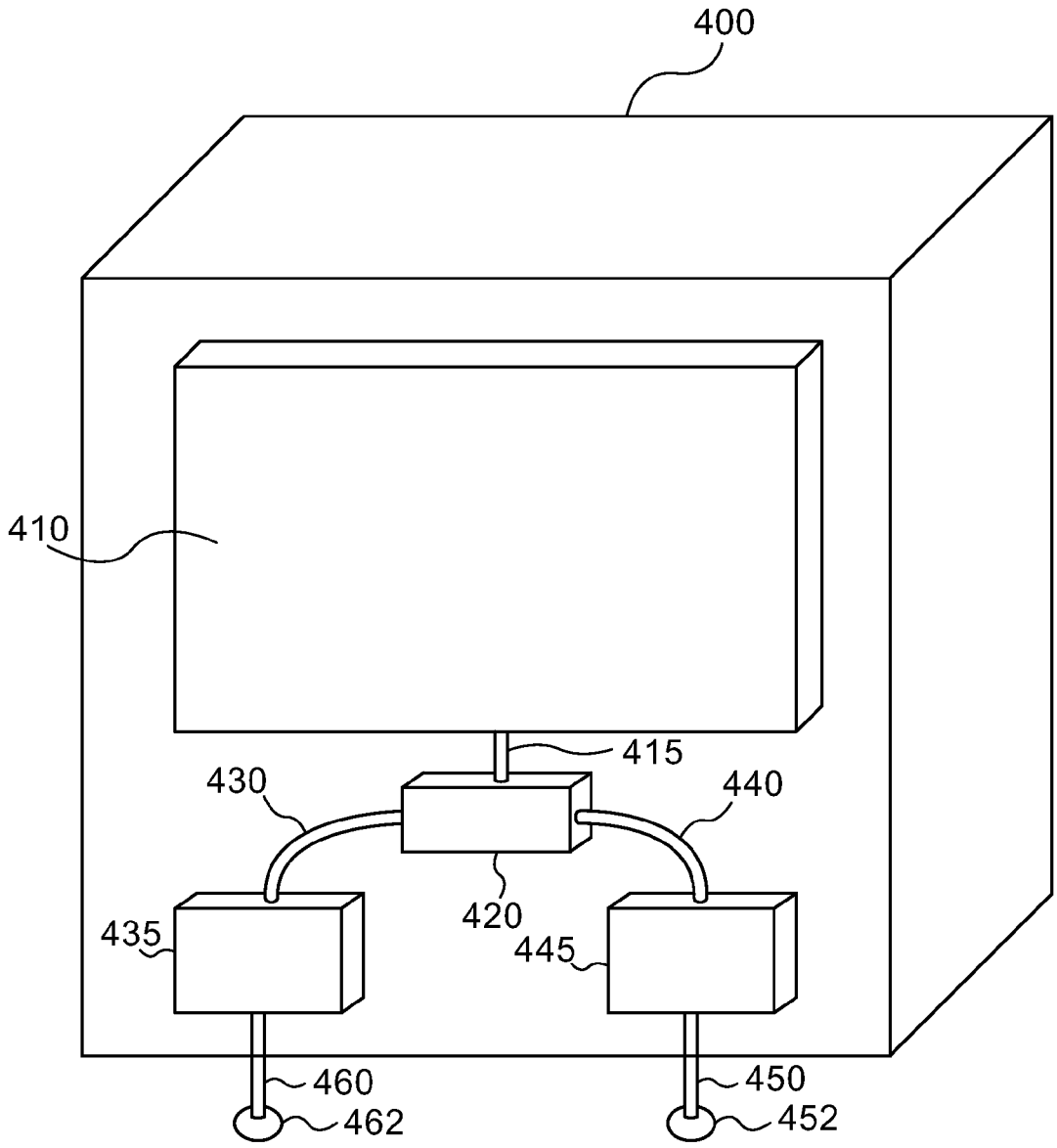

FIG. 4

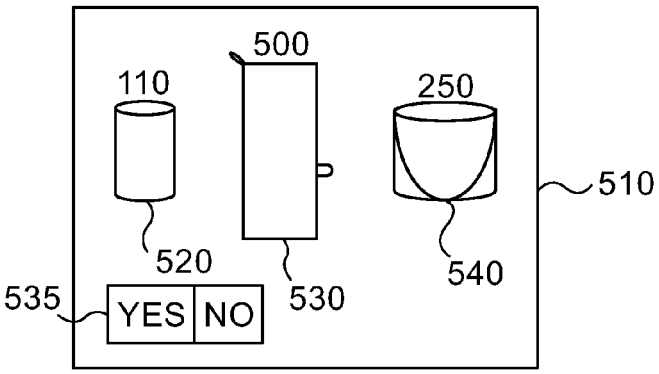

FIG. 5A

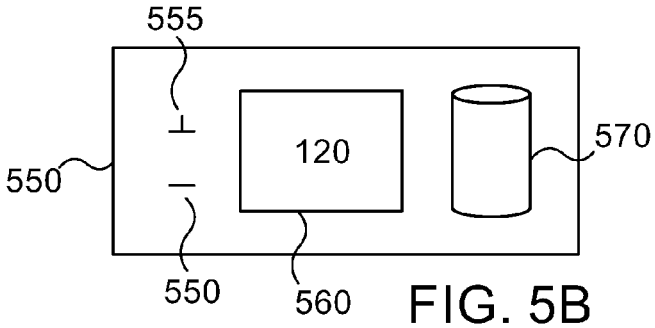

FIG. 5B

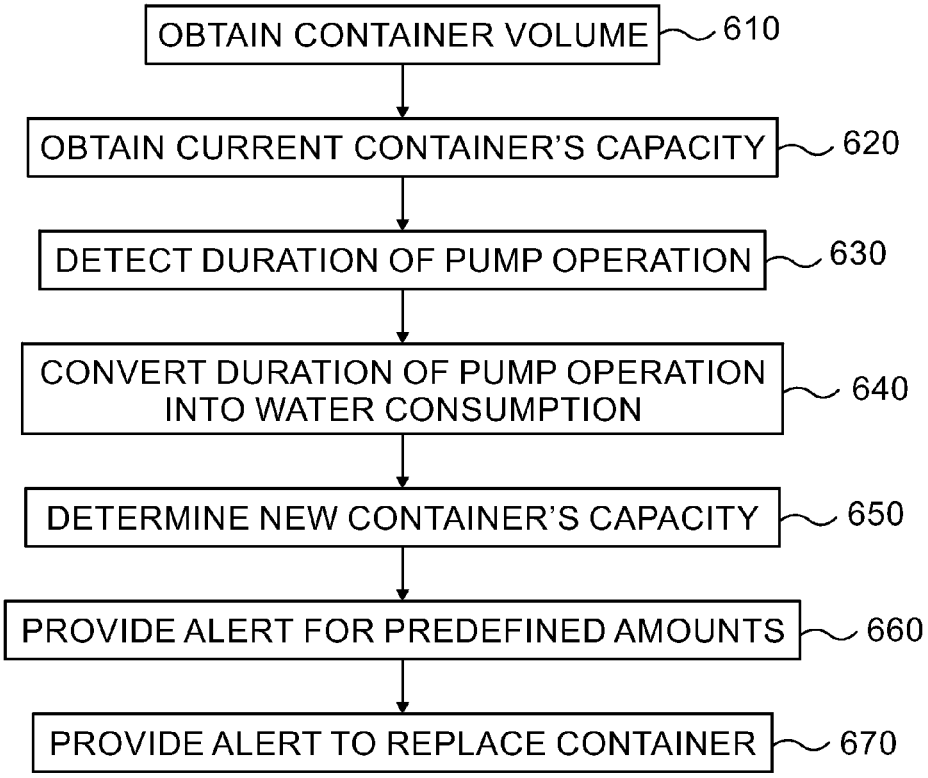

FIG. 6

WATER DISPENSER WITH BAG IN A BOX UNIT

FIELD OF THE INVENTION

The subject matter relates generally to water dispensers, and more specifically to mineral water dispensers having water packaged in bags.

BACKGROUND OF THE INVENTION

Water dispensers are used in both businesses and for residential use to provide available water to users. The demands to ensure safety of drinking water and to pursue the quality in natural character of drinking water have been increased according to the increase of users' interest with respect to drinking water.

Water dispensers may provide users with filtered water. Such filtered water is received at the water dispenser from a central water system and filtered via a filtering module within the water dispenser. Other water dispensers provide users with mineral water. Such mineral water is packaged in periodically replaced containers. The containers have an outlet connected to a faucet from which the water is dispensed.

In the residential market, water dispensers that carry water containers are likely to consume a significant volume, which is limited to the area of a standard kitchen. The water dispensers have a housing in which the water pipes, chilling unit and circuitry may be positioned. The mineral water containers are positioned on top of the housing, as they carry an amount of about 19 liters and users find it cumbersome to insert a 19-liter water container into the housing. Many residential consumers prefer having the water dispenser in the kitchen for convenience. Water dispensers having a water container externally to the housing of the water dispenser are likely to consume a larger space.

SUMMARY

It is an object of the subject matter to disclose an apparatus, comprising:

a housing; a mineral water container positioned within the housing and formed as a bag and box package unit; a chilled water faucet configured to dispense chilled mineral water; a hot water faucet configured to dispense hot mineral water; a first pipe connecting the mineral water container to the chilled water faucet; a second pipe connecting the mineral water container to the hot water faucet.

In some cases, the apparatus further comprises a cold water tank for receiving water at room temperature from the mineral water container and supply cold water to the cold water faucet, wherein the cold water tank is connected to a cooling unit for cooling the water in the cold water tank.

In some cases, the cooling unit is positioned within the housing.

In some cases, the apparatus further comprises a pump for pumping water from the mineral water container to the cold water tank. In some cases, the pump is activated when a predefined amount of water is supplied by the cold water faucet.

In some cases, the apparatus further comprises a hot water tank for receiving mineral water at room temperature from the mineral water container and supply hot water to the hot water faucet, wherein the hot water tank is connected to a heating unit for heating the water in the hot water tank. In some cases, the pump is further configured for pumping water from the mineral water container to the cold water tank. In some cases, the apparatus is further configured to dispense lukewarm water by dispensing water from the cold water tank and from the hot water tank to a lukewarm water faucet.

In some cases, the apparatus is adapted for residential users. In some cases, the apparatus enables replacement of the mineral water container on a kitchen worktop when the apparatus is positioned on a kitchen worktop.

In some cases, the apparatus further comprises a graphic user interface, wherein the graphic user interface comprises a plurality of icons displayed a display device of the apparatus, wherein each of said plurality of icons represents an amount of mineral water dispensed by the apparatus. In some cases, height of the water dispensing apparatus is lower than 70 centimeters.

In some cases, the apparatus further comprises a boiling unit for boiling water dispensed at the hot water faucet.

BRIEF DESCRIPTION OF THE DRAWINGS

Exemplary non-limited embodiments of the disclosed subject matter will be described, with reference to the following description of the embodiments, in conjunction with the figures. The figures are generally not shown to scale and any sizes are only meant to be exemplary and not necessarily limiting. Corresponding or like elements are optionally designated by the same numerals or letters.

FIG. **1** shows a water dispensing apparatus, according to some exemplary embodiments of the subject matter;

FIG. **2**A shows a water dispensing apparatus in open state, according to exemplary embodiments of the disclosed subject matter;

FIG. **2**B shows a water dispensing apparatus **200** in which one water container is replaced, according to exemplary embodiments of the disclosed subject matter;

FIG. **3** shows a mechanism for replacing a water container in a water dispensing apparatus, according to exemplary embodiments of the disclosed subject matter;

FIG. **4** shows a water dispensing apparatus containing a pump, according to some exemplary embodiments of the subject matter;

FIGS. **5**A-**5**B show a graphic user interface in a water dispensing apparatus **200**, according to exemplary embodiments of the disclosed subject matter

FIG. **6** shows a method for indicating the amount of water within a water container, according to exemplary embodiments of the disclosed subject matter.

DETAILED DESCRIPTION

The disclosed subject matter provides for a compact water dispensing apparatus for residential use. The water dispensing apparatus comprises one or more chilled water container and one or more hot water container. The water containers may be formed as a bag in a box package unit. The bag in a box package unit comprises a rigid box having a bag filled with a liquid such as water. The bag in a box package unit may also be referred to as bag and box package unit. The water dispensing apparatus may also comprise a cooling unit for cooling the water in the chilled water container. The entire water dispensing apparatus is relatively small, about 40 centimeters high, while containing a total of about 20 liters and the cooling and heating units.

FIG. **1** shows a water dispensing apparatus, according to some exemplary embodiments of the subject matter. The water dispensing apparatus **100** comprises a housing **110**. The housing **110** may be of cubic-like shape, or a cuboid shape. The housing **110** may be made of plastic, metal, semi-rigid

material or any other material desired by a person skilled in the art. The water dispensing apparatus **100** comprises a first chilled water container **120** positioned within the housing **110** and a second chilled water container **122** positioned within the housing **110**.

The water dispensing apparatus **100** also comprises a hot water container **124** positioned within the housing **110**. At least some water containers of the group consisting of the first chilled water container **120**, the second chilled water container **122** and the hot water container **124** may be formed as a bag in a box package unit. The volume of the water containers **120**, **122**, **124** may be in a range of 4-10 liters. In some exemplary cases, each of the water containers **120**, **122**, **124** contain 7 liters. The content of the water containers **120**, **122**, **124** is mineral water supplied by a mineral water provider.

The water dispensing apparatus **100** may also comprise a user interface enabling a user to control and operate the water dispensing apparatus **100**. Such user interface may include a first button **132** and a second button **134**. In some exemplary cases, the user of the water dispensing apparatus **100** uses the first button **132** for dispensing chilled water. Similarly, the user of the water dispensing apparatus **100** uses the second button **134** for dispensing hot water.

The water dispensing apparatus **100** may also comprise a dispensing section from which the water is dispensed to the user. The dispensing section comprises a first faucet **142** and a second faucet **144**. The first faucet **142** is used for dispensing chilled water and the second faucet is used for dispensing hot water. The chilled water flows using gravitation from the first chilled water container **120** or the second chilled water container **122** to the first faucet **142** via a connecting pipe (not shown). There is no need for a pump when chilled water is dispensed to the user as water flow from the first chilled water container **120** or the second chilled water container **122** to the first faucet **142** using gravitation. In some exemplary cases, the bottom portions of both the first chilled water container **120** and the second chilled water container **122** are positioned higher than the first faucet **142**.

The water inside the hot water container **124** is not heated. Water flow from the hot water container **124** to a heating zone comprising about a liter of water. In some exemplary cases, water is heated in the heating zone, not in the hot water container **124**. When the user presses the second button **134**, water are pumped from the heating zone to the second faucet **144** where the water is dispensed to the user.

FIG. **2**A shows a water dispensing apparatus in open state, according to exemplary embodiments of the disclosed subject matter. The water dispensing apparatus **200** comprises an opening **210**. The opening **210** may be positioned in a front of the water dispensing apparatus **200**. The opening **210** may move along a hinge (not shown) for enabling replacement of mineral water containers positioned within a housing **215** of the water dispensing apparatus **200**. The water dispensing apparatus **200** may also comprise a first faucet **242** for dispensing chilled water and a second faucet **244** for dispensing hot water.

The water dispensing apparatus **200** comprises a first chilled mineral water container **220**, a second chilled mineral water container **225** and a hot mineral water container **230**.

According to the exemplary embodiment of FIG. **2**A, the first chilled mineral water container **220** and a second chilled mineral water container **225** are formed as bag in a box package units. In such case, the first chilled mineral water container **220** comprises a first pipe **212** for dispensing mineral water to the first faucet **242** and the second chilled mineral water container **225** comprises a second pipe **213** for dispensing mineral water to the first faucet **242**. The first pipe **212** and the second pipe **213** provide secure and sterile water to be dispensed to the user, as the mineral water is not in contact with air when conveyed from the first chilled mineral water container **220** or the second chilled mineral water container **225** to the first faucet **242**. The hot mineral water container **230** is connected to the second faucet **244** via a third pipe **232** via which hot mineral water is dispensed to the user. The hot mineral water is heated using a heating device in an intermediate tank (not shown) between the hot mineral water container **230** and the second faucet **244**. The intermediate tank may be a hot water tank **445** disclosed in FIG. **4**.

In some exemplary cases, the water dispensing apparatus **200** comprises a cooling unit (not shown). In some exemplary cases, the cooling unit cools both the first chilled mineral water container **220** and the second chilled mineral water container **225**. In some cases, the cooling unit comprises two cooling outlets, a first cooling outlet for cooling the first chilled mineral water container **220** and a second cooling outlet for cooling the second chilled mineral water container **225**. In such case, the first chilled mineral water container **220** may be positioned in a section separated from the section in which the second chilled mineral water container **225** is positioned. The control unit (not shown) may determine to cool only one water container, thus reducing the power consumption of the cooling unit and the power consumption of the water dispensing apparatus **200**. In some cases, the cooling unit may cool only the second chilled mineral water container **225** connected to the first faucet **242**, while the water in the first chilled mineral water container **220** are in the room temperature. The cooling unit may be connected to an external power source or use a battery comprised in the water dispensing apparatus **200**. The size of the cooling unit may be 15 cm high, 30 cm wide and 40 cm deep.

In some cases, both the first chilled mineral water container **220** and the second chilled mineral water container **225** are connected to the first faucet **242** for dispensing chilled water. Alternatively, only one water container selected from the first chilled mineral water container **220** and the second chilled mineral water container **225** is connected to the first faucet **242** for dispensing chilled water. In the latter, the water dispensing apparatus **200** comprises a control unit (not shown) for determining which of the first chilled mineral water container **220** and the second chilled mineral water container **225** is to be connected to the first faucet **242**. In some cases, water flows from first chilled mineral water container **220** at room temperature to the second chilled mineral water container **225** where the water is cooled, and from the second chilled mineral water container **225** to the first faucet **242**.

In some exemplary cases, the water dispensing apparatus **200** comprises a base **246** for positioning glasses or bottles when dispensing water into said bottles or glasses. The containers are placed on the base **246** when water is dispensed from either the first faucet **242** or the second faucet **244**. The base **246** is positioned below the first faucet **242** and the second faucet **244**. The base **246** may include one or more openings through which water can be collected in the base **246** when spilled from the container, the first faucet **242** or the second faucet **244**.

The water dispensing apparatus **200** is a compact mineral water apparatus. Further, the water dispensing apparatus **200** is a mineral water apparatus in which the mineral water containers are not shown to the user when using the water dispensing apparatus **200**. Further, the water dispensing apparatus **200** provides both chilled mineral water and hot mineral water in a compact apparatus. The water dispensing apparatus **200** is adapted to residential market in which mineral water dispensers are positioned on a kitchen worktop and still be

easy to use. When positioned on top of the kitchen worktop, the distance between a kitchen floor and the top of the water dispensing apparatus **200** may be 150 cm. Such distance enables common users to easily replace the water containers and operate the water dispensing apparatus **200** via the first button **132** and the second button **134**. The total amount of mineral water in the water dispensing apparatus **200** is about 21 liters, in the embodiment in which the water dispensing apparatus **200** contains two chilled water containers and one hot water containers, each of the tanks contains seven liters. The amount of 21 liters is similar to standard water dispensers. The water dispensing apparatus **200** is different from other water dispensers by providing the same amount of mineral water in a compact apparatus. The size of the compact embodiment of the water dispensing apparatus **200** may be about 40 centimeters deep, 40 centimeters high and 30 centimeters wide.

FIG. **2**B shows a water dispensing apparatus **200** in which one water container is replaced, according to exemplary embodiments of the disclosed subject matter. FIG. **2**B shows the opening **210** of the water dispensing apparatus **200** in an open position. When the opening **210** is in open position, the user can replace water containers of the water dispensing apparatus **200**.

The user of water dispensing apparatus **200** replaces the first chilled mineral water container **220**. Such replacement comprises a step of disconnecting the first pipe **212** from the first faucet **242**. Then, the user removes the water container, for example the first chilled mineral water container **220**. Next, the user inserts a new water container into the water dispensing apparatus **200** and connects the new water container's pipe into a corresponding faucet, such as the first faucet **242**. After the pipe is connected to the faucet, the user closes the opening **210**. The first pipe **212** is an integral portion of the first chilled mineral water container **220**. The first pipe **212** is replaced every time the first chilled mineral water container **220** is replaced to avoid absorption of contaminants at the first pipe **212** and improve the water quality of the water dispensing apparatus **200**.

In some cases, the water dispensing apparatus **200** comprises a mechanism for keeping the opening **210** closed unless opened by the user. Such mechanism may comprise a niche and a pole inserted into the niche, or another mechanism desired by a person skilled in the art. Replacing the water containers of the water dispensing apparatus **200** is much easier than replacing water containers of prior art mineral water dispensers, as the mineral water of the water dispensing apparatus **200** are divided into several water containers. Each of the several water containers comprises significantly less amount of water than prior art mineral water dispensers. For example, prior art mineral water dispensers comprise water containers of about 20 liters, while the water dispensing apparatus **200** comprises water containers of about 7 liters. Such division of mineral water into several water containers enables children, elder or senior users to replace the water containers, as it requires significantly less strength.

In some exemplary cases, the water dispensing apparatus **200** comprises a user interface for enabling a user to control water amount dispensed from the first faucet **242** and the second faucet **244**. In such case, the user may input a predefined amount associated with a specific action or input device, such as a button. After inputting the predefined amount, the user may press a button associated with the predefined amount and the water dispensing apparatus **200** dispenses the desired amount.

In some exemplary cases, the water dispensing apparatus **200** reduces power consumption according to the user's request. The user may use the user interface for inputting times in which the water in the water dispensing apparatus **200** is not required to be hot, or not required to be chilled. In such case, the control unit of the water dispensing apparatus **200** may determine to reduce power consumption of the cooling unit or of the heating device.

In some cases, the water dispensing apparatus **200** comprises two or more water containers of the same type, for example chilled water container or hot water container. The control unit of the water dispensing apparatus **200** may indicate to the user when one water container is empty. In such case, the user may replace the empty water container after a period of time elapsed after emptying the first water container while using the mineral water of the second water container.

FIG. **3** shows a mechanism for replacing a water container in a water dispensing apparatus **200**, according to exemplary embodiments of the disclosed subject matter. The mechanism for replacing a water container comprises a surface **240**. The surface **240** is configured to carry a water container of the water dispensing apparatus **200** when replacing the water container. The surface **240** facilitates inserting the water container into the housing **215** of the water dispensing apparatus **200**. The surface **240** is connected to the housing **215** using two hinges or other connecting elements enabling movement of the surface **240** into the housing **215** and out of the housing **215**. The surface **240** may be of a drawer-like shape and move along two mechanical tracks **250**, **255** within the housing **215** of the water dispensing apparatus **200**. The two mechanical tracks **250**, **255** limit the movement of the surface **240** in the housing **215**. In some cases, only a portion of the surface **240** can be maneuvered outside the housing **215**.

The apparatus of the disclosed subject matter may also comprise a boiling unit. The boiling unit may be positioned within the housing **215**. The boiling unit enables boiling water to 100 degrees Celsius. The boiling unit may comprise a steam detector for stopping the boiling process when detecting steams. The boiling water may heat water in the heating zone. When there is a predefined amount of steams in the heating zone, the boiling unit stops heating the water in the heating zone.

FIG. **4** shows a water dispensing apparatus having a single bag in a box container and a pump, according to exemplary embodiments of the disclosed subject matter. The water dispensing apparatus **400** comprises a mineral water container **410**. The mineral water container **410** is a bag in a box water container. The mineral water container **410** may contain mineral water in a room temperature. The volume of the mineral water container **410** may be in a range of 5-12 liters, for example 7 liters. The water dispensing apparatus **400** provides mineral water in a cold water faucet **462** and a hot water faucet **452** using the mineral water container **410**. The mineral water container **410** is connected to a pump **420** using a pump tube **415**. The pump **420** is configured for pumping water from the mineral water container **410** and transfers the water to a cold water tank **435** and a hot water tank **445**. The cold water tank **435** is connected to or comprises a cooling unit for cooling the water within the cold water tank **435**. The hot water tank **445** is connected to or comprises a heating unit for heating the water within the hot water tank **445**. The pump **420** may pump water upon demand from a user of the water dispensing apparatus **400**. The cold water tank **435** and the hot water tank **445** are configured for receiving mineral water from the mineral water container **410**. The cold water tank **435** comprises a cooling unit for cooling water received at water temperature from the mineral water tank **410** and supply cooled water to the cold water faucet **462**. The hot water tank **445** comprises a heating unit for heating water received

at water temperature from the mineral water tank **410** and supply heated water to the hot water faucet **452**.

When a user wishes to consume water from the water dispensing apparatus **400**, she presses a button or a handle associated with the cold water faucet **462** or the hot water faucet **452**. Then, water is dispensed from the cold water tank **435** or hot water tank **445** via the cold water faucet **462** or the hot water faucet **452**, respectively. In some cases, the pump **420** is activated when the user presses a key or button in which he requests water to be dispensed. In some other cases, the pump is activated after an amount of water desired by the user is dispensed, or after a predefined amount of water is dispensed. For example, the pump **420** is activated to supply water from the mineral water container **410** to the water tank that dispensed water to the user, for example the cold water tank **435**, upon detection of water flowing from the cold water tank **435** to the cold water faucet **462**. The pump **420** transfers water to the cold water tank **435** via a cold pump tube **430** and transfers water to the hot water tank **445** via a hot pump tube **440**. Cold water is conveyed from the cold water tank **435** to the cold water faucet **462** via cold faucet tube **460**. Similarly, hot water is conveyed from the hot water tank **445** to the hot water faucet **452** via cold faucet tube **450**.

FIGS. **5**A-**5**B show a graphic user interface in a water dispensing apparatus **200**, according to exemplary embodiments of the disclosed subject matter. FIG. **5**A shows a plurality of icons representing different amounts to be dispensed from the water dispenser. The amounts are displayed on a display device **510** on the water dispenser. On a first display, the plurality of icons is displayed. For example, a first icon **520** represents a glass, a second icon **530** represents a pitcher and a third icon **540** represents a bottle. In some exemplary cases, amounts associated with each icon of the plurality of icons are displayed in the vicinity if each icon, for example above each icon. In such exemplary case, the amount 110 ml is associated with a glass of the first icon **520**, the amount 500 ml is associated with a pitcher of the second icon **530**, and the amount 250 ml is associated with a bottle of the third icon **540**.

In some exemplary cases, a YES/NO symbol **535** is displayed on the display device **510** for indicating whether the water dispenser can dispense the amount of water associated with an icon. For example, a control unit within the water dispenser determines that the water dispenser contains less than 500 ml, a NO symbol will be provided when pressing the second icon **530** associated with the amount of 500 ml.

FIG. **5**B shows a display **550** enabling a user of the water dispensing apparatus to determine the amount associated with the icons. Icon **570** that represents a cup is associated with a volume value displayed at volume display **560**. An icon volume input device enables a user to update the volume value associated with the icon **570**. For example, the icon volume input device comprises a plus icon **555** and a minus icon **550** used to add and subtract from the number displayed on the volume display **560**.

FIG. **6** shows a method for indicating the amount of water within a water container, according to exemplary embodiments of the disclosed subject matter. In step **610**, a computerized module within the water dispensing apparatus obtains the container volume. The container volume, for example 10 liters, may be predefined, in the water dispensing apparatus settings, or inputted by a user or technician.

In step **620**, the computerized module obtains the current capacity of the water container of the water dispensing apparatus. The current capacity may be updated automatically. The initial capacity is the container's volume.

In step **630**, the computerized module detects duration of pump operation. The pump pumps water from the bag in a box water container to the water faucets via chilled water container or the hot water container. An electronic sensor may detect the operation of the pump and transmit an indication to the computerized module. The indication may include initiation and termination of the pump's operation.

In step **640**, the computerized module converts the duration of pump operation into water consumption. The conversion may be performed by obtaining flow rate of water pumped by the pump from the bag in a box water container. The flow rate may be multiplied by the duration to determine water consumption from the bag in a box water container.

In step **650**, the computerized module determines new container's capacity. The new bag in a box water container capacity may be a function of the previous water capacity and the water consumption determined in step **640**. For example, if the previous capacity was 6.3 liter, the flow rate of water pumped by the pump is 0.5 liter per minute and the pump operated for 0.5 minutes, the water consumption is 0.25 liters and the new container's capacity is 6.05 liters.

In step **660**, the computerized module provides alert for predefined amount of water contained in the bag in a box water container. For example, when there is less than 0.25 liters in the bag in a box water container. In some exemplary cases, the alert is provided when the amount of water in the bag in a box water container is less than any amount associated with an icon displayed in the graphic user interface disclosed in FIGS. **5**A and **5**B.

In step **670**, the computerized module provides an alert to replace the water container. In some exemplary cases, the alert is provided when there is still water in the hot water tank and cold-water tank that receive water from the bag in a box water container. This assures that even after the alert provides that the bag in a box container is empty, the water dispensing apparatus can still dispense a predefined amount of water from the cold water tank and from the hot water tank.

While the disclosure has been described with reference to exemplary embodiments, it will be understood by those skilled in the art that various changes may be made and equivalents may be substituted for elements thereof without departing from the scope of the invention. In addition, many modifications may be made to adapt a particular situation or material to the teachings without departing from the essential scope thereof. Therefore, it is intended that the disclosed subject matter not be limited to the particular embodiment disclosed as the best mode contemplated for carrying out this invention, but only by the claims that follow.

The invention claimed is:

1. An apparatus, comprising:

a housing, said housing comprises multiple sections for inserting mineral water containers provided as bag in a box package units containing mineral water; at least one section is cooled to accommodate a bag in box package unit serving as a chilled mineral water container and at least one section accommodating a bag in box package unit serving as a hot mineral water container for providing mineral water that is heated in a heating zone; and a door that can be opened to enable replacement of the bag in box package units when the mineral water is used up;

a chilled water faucet;

a hot water faucet;

a first pipe connecting the chilled mineral water container to the chilled water faucet such that water flows from the chilled, mineral water container to the chilled water faucet using, gravitation;

a second pipe connecting the hot mineral water container to the heating zone for providing hot water to the hot water faucet from the heating zone;

wherein the door is positioned on the front side of the housing;

wherein the door comprises an aperture via which the user accesses the chilled water faucet and the hot water faucet when the door is closed.

2. The apparatus according to claim **1**, further comprises a water cooling unit positioned within said housing.

3. The apparatus according to claim **2**, further comprising a pump configured to pump water from the chilled mineral water container to said chilled water faucet.

4. The apparatus according to claim **3**, wherein said pump is activated when a predefined amount of water is dispensed by said chilled water faucet.

5. The apparatus according to claim **3**, wherein said pump is further configured to pump water from said hot mineral water container to said hot water faucet.

6. The apparatus according to claim **1**, wherein said apparatus is further configured to dispense lukewarm water by dispensing water from said chilled water container and said hot water container to a lukewarm water faucet.

7. The apparatus according to claim **1**, wherein said apparatus is adapted for residential use.

8. The apparatus according to claim **1**, further comprising, a graphic user interface (GUI) displayed on a display device of the apparatus, wherein said graphic user interface comprises a plurality of icons displayed on a display device of said apparatus, and wherein each one of said plurality of icons represents an amount of mineral water to be dispensed by said apparatus when selected, wherein the GUI provides an indication as to whether the water container contains less water than the amount of mineral water to be dispensed indicated by an icon of the plurality of icons selected by a user of the apparatus.

9. The apparatus according to claim **1**, wherein a maximum height of said apparatus above ground level is 70 centimeters.

10. The apparatus according to claim **1**, further comprising a boiling unit for boiling water dispensed via said hot water faucet.

11. The apparatus according to claim **1**, further comprising a surface for mounting thereon a mineral water container, wherein said surface is configured to slide in and out of said housing for replacing the mineral water container.

12. The apparatus according to claim **1**, further comprising a graphic user interface (GUI) displayed on a display device of the apparatus, wherein said graphic user interface comprises a plurality of icons displayed on a display device of said apparatus, and wherein each one of said plurality of icons represents an amount of mineral water to be dispensed by said apparatus when selected, wherein the GUI enables a user of the apparatus to determine an amount of water associated with an icon of the plurality of icons.

13. The apparatus according to claim **1**, wherein providing an alert to replace the water container according to duration of pump operation of the pump and a previous water capacity of the water container.

14. The apparatus according to claim **1**, further comprising a graphic user interface (GUI) displayed on a display device of the apparatus, wherein said graphic user interface enables a user of the apparatus to input times in which the water in the apparatus is not required to be hot, or not required to be chilled.

15. The apparatus according to claim **1**, comprising at least two sections for accommodating hag in box package units serving as chilled mineral water containers.

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